

L 45145-66 FSS-2/ENT(1)/EWP(c)/EWP(h) TT/WW  
ACC NR: AP6016804 (A) SOURCE CODE: UR/0018/66/000/001/0079/0081

AUTHOR: Bityukov, N. (Lieutenant colonel)

29  
B

ORG: none

TITLE: Fire on diving aircraft

SOURCE: Voyenny vestnik, no. 1, 1966, 79-81

TOPIC TAGS: military tactic, antiaircraft fire control system

ABSTRACT: The article starts with a diagram illustrating the mathematical principles involved in firing on diving aircraft. It then proceeds to a description of a special screen<sup>75</sup> built to simulate the course of such a diving aircraft. (See Fig. 2)

Card 1/3

L 45145-66

ACC NR: AP6016804

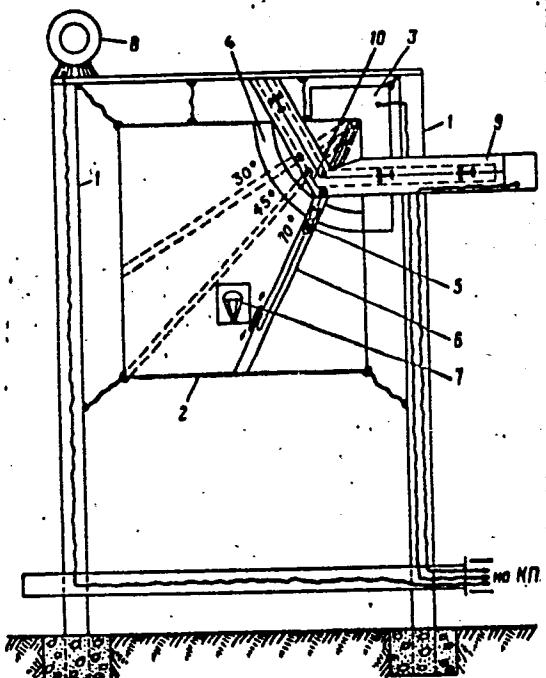


Fig. 2. Simulation screen for a diving target. 1--supports; 2--frame of the screen; 3--mechanism for converting the angles of the dive and linkage of the dummy of the target; 4--arcs (arbitrary) with fixed angles of dive; 5--dummy of a diving target with a tracer; 6--directional rod; 7--parachute-- a sketch on ground glass; 8--loud speaker; 9--mechanism and gearing for the dummy aircraft, the target carrier; 10--signal lamps.

Card 2/3

L 45145-66

ACC NR: AP6016804

The article discusses the operation and advantages of this new screen.  
Orig. art. has: 2 figures.

SUB CODE: 15/ SUBM DATE: none

01/

Card 3/3 *au:m*

*M.H.*  
Results of experiments of using hexachloran dust for  
treating sheep mange. P. A. Bityukov. Trudy Inst.  
Vet. Akad. Filial Vsesoyuz. Akad. Sel'skokhoz. Nauk 6,  
372-4(1947-52); Referat. Zhur., Khim., 1955, No. 4140.  
Three dustings of sheep with 7% BHC (200-300 g./head)  
did not give complete control but had a retarding effect on  
mange mites. No live mites were found after dusting with  
DDT. *M.H.*

BITYUKOV, P.A.

Experimental transmission of sheep theileriasis and anaplasmosis by  
the ticks *Ornithodoros lahorensis* and *Haemaphysalis sulcata*. Trudy  
Inst.zool. AN Kazakh.SSR 1:30-36 '53. (MIRA 10:1)  
(Theileriasis) (Anaplasmosis) (Ticks as carriers of disease)  
(Sheep--Diseases and pests)

USSR / Diseases of Farm Animals. Diseases Caused by Protozoa.

R

Abs Jour : Ref Zhur - Biol., No 22, 1958, No 101365

Author : Bitukov, P. A.

Inst : Kaliningrad Scientific Research Veterinary Station.

Title : Sodium Norsulfazol as an Effective Preparation in the Fight  
Against Coccidiosis in Chicks.

Orig Pub : Tr. Kaliningradsk. n.-i. vet. st., 1957, vyp. 1, 53-58.

Abstract : Tests performed at 2 kolkhozes have demonstrated that sodium  
norsurfazol administered in drinking water in the form of a  
0.25 percent aqueous solution greatly reduced morbidity and  
and loss of birds from coccidiosis (*Eimeria tenella*).

Card 1/1

USSR/Diseases of Farm Animals - Diseases Caused by Protozoa.

R-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, 45457

Author : Bityukov, P.A.

Inst : -

Title : Sodium Norsulfazol [Sulfathiazole] in Combatting  
Oxydiosis in Chicks.

Orig Pub : Veterinariya, 1957, No 8, 48-50

Abstract : The use of sodium norsulfazol [sulfathiazole] in 0.25%  
solution was markedly decreasing the incidence and mor-  
tality of chicks from coccidiosis (*Eimeria tenella*).  
Sodium norsulfazol solution was given to drink to chicks  
instead of water, on an empty stomach, during 5 days.  
The course of treatment was repeated three times at three-  
day intervals.

Card 1/1

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205420003-5

BITYUKOV, P. A., KHREBTOVICH, Ye. G., MAYEVSKIY, A. D., SYT'KO, V. F., MORDASOV, P. M.  
DEMYANCHENKO, G. F., and MORDASOV, P. M.

"Simultaneous prevention of cattle against ixode ticks and blood-sucking insects."

Veterinariya, Vol. 37, No. 4, 1960, p. 81

AK Bityukov - NIVI-ASKhN - USSR

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000205420003-5"

GOREGLYAD, Kh.S., akademik; SHIKHALEYEV, N.F.; MORDASOV, P.M., kand.  
veterin.nauk; BITYUKOV, P.A., kand.veterin.nauk; BOBKOV, A.F.,  
kand.veterin.nauk; YEGOROV, Yu.G., kand.veterin.nauk

Materials on anaplasmosis acquired from vaccinations in cattle  
in the Glusk District of the White Russian S.S.R. Trudy NIVI  
1:72-89 '60. (MIRA 15:10)

1. AN Belorusskoy SSR i Akademiya sel'skokhozyaystvennykh nauk  
Belorusskoy SSR (for Goreglyad).  
(Glusk District—Anaplasmosis) (Vaccination)

BITYUKOV, P.A., kand.veterin.nauk

Effectiveness of terramycin in experimental anaplasmosis in  
cattle. Trudy NIVI 1:90-99 '60. (MIRA 15:10)  
(Anaplasmosis) (Terramycin)

MORDASOV, P.M., kand.veterin.nauk; BITYUKOV, P.A., kand.veterin.nauk;  
PINCHUK, M.I.; MALINOVSKIY, I.F.; LOGEYEV, A.M.

Mass prophylaxis of babesiosis in cattle by means of early  
(preventive) chemotherapy. Trudy NIVI 1:100-104 '60.

(Chemotherapy) (Piroplasmosis)(Cattle--Diseases and pests)  
(MIRA 15:10)

DEM'YANCHENKO, G.F.; MORDASOV, P.M.; BITYUKOV, P.A.; KHREBTOVICH, Ye.G.;  
MAYEVSKIY, A.D., veterinarnyy vrach; SYT'KOV, V.P., veterinar-  
nyy fel'dsher; ARTYUSHENYA, A.N., veterinarnyy fel'dsher.

Simultaneous protection of cattle from ixodid ticks and blood-  
sucking insects. Veterinariia 37 no.4:81-82 Ap'60.  
(MIRA 16:6)

1. Nauchno-issledovatel'skiy veterinatnyy institut Akademii  
sel'skokhozyaystvennykh nauk BSSR (for Dem'yanchenko, Mordasov,  
Bityukov). 2. Glavnyy veterinarnyy vrach sel'skokhozyaystvennoy  
inspeksii Glusskogo rayona (for Khrebtovich). 3. Glusskaya  
rayonnaya veterinarnaya lechebnitsa (for Mayevskiy)  
(INSECT BAITS AND REPELLENTS) (PARASITES—CATTLE)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5

BITYUKOV, V. D.

1964

DECEASED

ELECTROCHEMISTRY

c/1964

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5"

BITYURINA, L.M.; ZEFIROVA, N.P.

Rhabdomyoma of the soft palate. Vest.otorin. 22 no. 3:94-96  
My-Je '60. (MIRA 13:10)  
(PALATE-TUMORS)

L 4027-66 EWT(m)/EWP(t)/EWP(b) IJP(c)  
ACCESSION NR: AP5022253

JD  
UR/0363/65/001/007/1054/1056  
546.682'181.1:536.495

45  
44  
B

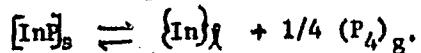
AUTHOR: Ugay, Ya. A.; Bityutskaya, L. A.

TITLE: Thermal stability of indium phosphide

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 7, 1965,  
1054-1056

TOPIC TAGS: indium compound, phosphorus compound, thermal stability

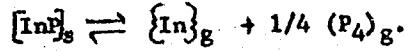
ABSTRACT: A thermographic study of the thermal stability of indium phosphide was carried out with the aid of an FPK-55 pyrometer. The endothermic effect observed above 1000°C on the heating curves of InP showed that it is accompanied by dissociation. The temperature of  $1015 \pm 4^\circ\text{C}$  was taken as the equilibrium value at which the dissociation of InP begins. Under conditions of a temperature drop which caused the condensation of the volatile component, the temperature of the start of the dissociation decreased. It is found that the dissociation of InP is accompanied by fusion of the original substance and of the reaction products. The dissociation proceeds according to the reaction



Cord 1/2

L 4027-66  
ACCESSION NR: AP5022253

The phosphorus observed below the equilibrium temperature of dissociation is thought to form as a result of a fractional vaporization of indium phosphide; in this process, the following equilibrium is established on the surface of solid InP:



Orig. art. has: 4 figures and 1 table.

ASSOCIATION: Voronezhskiy gosudarstvennyy universitet (Voronezh State University)

SUBMITTED: 22Mar65

ENCL: 00

SUB CODE: IC, TD

NO REF SOV: 001

OTHER: 006

Card *MUR* 2/2

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5

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CIA-RDP86-00513R000205420003-5"

L 47321-66 EWP(m)/EWP(j)/T/EWP(t)/ETI LJP(c) JD/WN/JW/RM

ACC NR: AR6025758

SOURCE CODE: UR/0058/66/000/004/A074/A074

AUTHOR: Ugay, Ya. A.; Bityutskaya, L. A. 1 27

6-2

TITLE: Some problems in the thermochemistry of indium phosphide 1

B

SOURCE: Ref. zh. Fizika, Abs. 4A620

REF SOURCE: Sb. Simpozium. Protsessy sinteza i rosta kristallov i plenok poluprovodnik. materialov, 1965. Tezisy dokl. Novosibirsk, 1965, 42-43

TOPIC TAGS: indium compound, phosphide, thermochemical property, temperature dependence, enthalpy, entropy

ABSTRACT: The authors obtained experimentally the most important thermochemical characteristics of InP; the temperature of the start of dissociation ( $1015 \pm 4^\circ\text{C}$ ), and the temperature dependence of the dissociation vapor tension. The pressure of the volatile component (P) was assumed in the closed volume on the basis of calculations. Starting from the obtained experimental data, an estimate was made of certain calculated thermodynamic and thermochemical constants of InP: standard enthalpies and entropy, and the isobaric-isothermal potential of the production reaction. On the basis of the investigations of the physicochemical properties of the In-P system, the authors consider the possibility of obtaining single crystals and films of stoichiometric composition from the gas phase up to  $1000^\circ\text{C}$  temperature. The advantage of obtaining single crystals of InP from a melt with stoichiometric composition and from a melt containing an excess of P is demonstrated. [Translation of abstract]

SUB CODE: 20

Card 1/1 mjs

AKRIDIN, Dmitriy Vladimirovich, starshiy prepodavatel'; GALKANOVA, Nina Dmitriyevna, assistent; GOZOZDOVSKIY, Viktor Il'ich, assistent; GLUKHOVSKOV, Aleksandr Petrovich, inzh.; SAMOYLOV, Boris Niko-  
layevich, dotsent, kand. tekhn. nauk; YAKUBOVSKIY, Boris Vasil'-  
yevich, prof. Prinimali uchastiye: POLONSKIY, A.V., assistent;  
LEONT'YEV, G.V., assistent; BITYUTSKIY, A.L., assistent; DAVYDOV,  
S.S., doktor tekhn. nauk, prof., red.; MIKHAYLOV, K.V., kand. tekhn.  
nauk, nauchnyy red.; BUDARINA, E.M., red. izd-va; GARNUKHIN, Ye. K.,  
tekhn. red.

[Prestressed concrete abroad; materials] P redvaritel'no napriazhennyi  
zhelezobeton za rubezhom; materialy. Pod red. S.S.Davydova i B.V.  
Iakubovskogo. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit.  
materialam, 1961. 343 p. (MIRA 14:10)

1. International Congress of Prestressed Concrete. 3rd, Berlin, 1958.
2. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR  
(for Davydov). 3. Kafedra zhelezobetonnykh i kamenykh konstruktsiy  
Kuybyshevskogo inzhenerno-stroitel'nogo instituta i chleny Kuybyshev-  
skogo filiala Komissii po sbornomu i predvaritel'no napryazhennomu  
zhelezobetonu Akademii stroitel'stva i arkhitektury SSSR (for Akridin,  
Galkanova, Gvozdovskiy, Glukhovskov, Samoylov, Yakubovskiy)  
(Prestressed concrete)

SAMOYLOV, B.N., dets.; BITYUTSKIY, A.I., inzh.; YAKOVIEVA, M.V.,  
kand. tekhn. nauk, red.

[Calculation of suspension and guy supported roofs; a  
textbook for course and diploma projects for students  
majoring in "Industrial Construction and Civil Engineering"] Raschet visiachikh i vantovykh pokrytii, uchebno-  
posobie dlja kursovogo i diplomnogo proektirovaniia stu-  
dentov spetsial'nosti "Promyshlennoe i grazhdanskoe  
stroitel'stvo." Kuibyshev, Jiibyshevskii inzhenerno-  
stroitel'nyi in-t, 1964. 89 p. (MIRA 18:4)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5

BITYUTSKIY, I.B.

Commutation of d.c. traction motors. Sbor. nauch. trud. EINII  
2:132-140 '62. (MIRA 16:8)

(Commutation (Electricity))

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5"

BITYUTSKIY, Igor' Borisovich, aspirant

Calculation of the inductance of a groove in the presence of  
damping. Izv.vys.ucheb.zav.; elektromekh. 8 no.3:306-315 '65.  
(MIRA 18:5)

1. Kafedra elektricheskikh mashin, apparatov, matematicheskikh  
i schetnoreshayushchikh priborov i ustroystv Novocherkasskogo  
politekhnicheskogo instituta.

BITYUTSKIY, Igor' Borisovich, assistant

Calculation of the inductance of a slot during damping. Izv. vys. ucheb. zav.; elektromekh. 8 no.5:580-581 '65. (MIRA 18:7)

1. Kafedra elektricheskikh mashin, apparatov, matematicheskikh i schetnoreshayushchikh priborov i ustroystv Novocherkassogo politekhnicheskogo instituta.

SAVKOV, Ye.I.; BITYUTSKIY, M.M.

Make better use of the electric ballaster equipped with a track liner. Put' i put.khoz. 8 no.3:8-9 '64. (MIRA 17:3)

1. Nachal'nik putevoy mashinnostantsii No.62, stantsiya Nikitovka, Donetskoy dorogi (for Savkov). 2. Glavnyy mekhanik stantsii Nikitovka, Donetskoy dorogi (for Bityutskiy).

BITYUTSKIY, N.F.

Attachment for milling teeth of cylindrical pinions. Sbor.  
rats. predl. vnedr. v proizv. no.2:60 '61. (MIRA 14:7)

1. Chelyabinskij truborprokatnyy zavod.  
(Milling machines--Attachments)

GRISHIN, A.S.; BITYUTSKIY, P.V.

[Methods for the conveying of intermediate products on bin-type dough-making units] Sposoby transportirovaniia polufabrikatov na bunkernykh testoprigotovitel'nykh agregatakh. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 21 p. (MIRA 17:9)

GOR'KOV, Yu.A.; CHERNIN, K.Ye.; BITYUTSKOV, R.S.; KUROSH, A.G.,  
glavnnyy red.; BITYUTSKOV, V.I., red.; DOLTYANSKIY, V.G., red.;  
DYMKIN, Ye.B., red.; SHILOV, G.Ye., red.; YUSHKEVICH, A.P.,  
red.; AKHIEZER, S.N., tekhn.red.

[Forty years of mathematics in the U.S.S.R., 1917-1957; in two  
volumes] Matematika v SSSR za sorok let, 1917-1957; v dvukh  
tomakh. Moskva, Gos.izd-vo fiziko-matem.lit-ry. Vol.2.  
[Biobibliography] Biobibliografija. 1959. 819 p. (MIRA 12:9)  
(Mathematicians)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5"

RYBKIN, G.F., redaktor; YUSHKEVICH, A.P., redaktor; BITYUTSKOV, V.I.,  
redaktor; TUMARKINA, N.A., tekhnicheskiy redaktor

[Studies on the history of mathematics] Istoriko-matematicheskie  
issledovaniia. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry.  
Vol. 6. 1953. 671 p. (MLRA 7:10)  
(Mathematics--History)

BITUTSKOV, ~~STAR~~ V.I.

ANDREYEV, A.B.; ANTONOV, A.I.; ARAPOV, P.P., BARMASH, A.I., BEDNYAKOVA,  
A.B.; BEMIN, G.S.; BERESNEVICH, V.V.; BERNSHTEYN, S.A.; BITUTSKOV,  
V.I.; BLYUMENBERG, V.V.; BONCH-BERJEVICH, M.D.; BORMOTOV, I.D.;  
BULGAKOV, N.I.; VIKSLER, B.A.; GAVRILENKO, I.V.; GENDLER, Ye.S.,  
[deceased]; GERLIVANOV, N.A., [deceased]; GIBSHMAN, Ye.Ye.;  
GOLDOVSKIY, Ye.M.; GOVBUNOV, P.P.; GORYAINOV, F.A.; GRIMBERG, B.G.;  
GRYUNER, V.S.; DANOVSKIY, N.F.; DZEVUL'SKIY, V.M., [deceased];  
DREMAYLO, P.G.; DYBITS, S.G.; D'YACHENKO, P.F.; DYURMEBAUM, N.S.,  
[deceased]; YUDORCHENKO, B.F. [deceased]; YUL'YASHKEVICH, S.A.;  
ZHIREBOV, L.P.; ZAVEL'SKIY, A.S.; ZAVEL'SKIY, F.S.; IVANOVSKIY,  
S.R.; ITKIN, I.M.; KAZHDAN, A.Ya.; KAZHINSKIY, B.B.; KAPLINSKIY, S.V.;  
KASATKIN, P.S.; KATSUROV, I.N.; KITAYGORODSKIY, I.I.; KOLESNIKOV,  
I.F.; KOLOSOV, V.A.; KOMAROV, N.S.; KOTOV, B.I.; LINDE, V.V.;  
LEBEDEV, H.V.; LIVITSKIY, N.I.; LOKSHIN, Ya.Yu.; LUUTSAU, V.K.;  
MANNERBERGER, A.A.; MIKHAYLOV, V.A.; MIKHAYLOV, N.M.; MURAV'YEV, I.M.;  
MYDEL'MAN, G.E.; PAVLYSHKOV, L.S.; POLUYANOV, V.A.; POLYAKOV, Ye.S.;  
POPOV, V.V.; POPOV, N.I.; RAKHLIN, I.Ye.; RZHEVSKIY, V.V.; ROZEMBERG,  
G.V.; ROZENTHETE, B.A.; ROKOTIAN, Ye.S.; RUKAVISHNIKOV, V.I.;  
RUTOVSKIY, B.N. [deceased]; RYVKIN, P.M.; SMIRNOV, A.P.; STEPANOV, G.Yu.,  
STEPANOV, Yu.A.; TARASOV, L.Ya.; TOKAREV, L.I.; USPASSKIY, P.P.;  
TIEGOROV, A.V.; TERE, E.E.; FRANKEL', I.Z.; KHIEFFETS, S.Ya.; KHILOPIN,  
M.I.; KHODOT, V.V.; SHAMSHUR, V.I.; SHAPIRO, A.Ye.; SHATSOV, N.I.;  
SHISHKINA, N.N.; SHOR, E.R.; SHPICHENETSKIY, Ye.S.; SHPRINK, B.E.;  
SHTERLING, S.Z.; SHUTYY, L.R.; SHUKH GAL'TER, L. Ya.; ERVAYS, A.V.;

(Continued on next card)

ANDREYEV, A.B. (continued) .... Card 2.

YAKOVLEV, A.V.; ANDREYEV, Ye.S., retsenzent, redaktor; BERNMAN-  
GYIM, B.M., retsenzent, redaktor; BERMAN, L.D., retsenzent, redaktor;  
BOLTINSKIY, V.N., retsenzent, redaktor; BONCH-BEUYEVICH, V.L.,  
retsenzent, redaktor; VELLER, M.A., retsenzent, redaktor; VINOGRADOV,  
A.V., retsenzent, redaktor; GUDTSOV, N.T., retsenzent, redaktor;  
DEGTYAREV, I.L., retsenzent, redaktor; DEM'YANYUK, F.S., retsenzent;  
redaktor; DOBROSMYSLOV, I.N., retsenzent, redaktor; YELANGHIK, G.M.  
retsenzent, redaktor; ZHEMOCHKIN, D.N., retsenzent, redaktor;  
SHURAVCHENKO, A.N., retsenzent, redaktor; ZLODEYEV, G.A., retsenzent,  
redaktor; KAPLUNOV, R.P., retsenzent, redaktor; KUSAKOV, M.M.,  
retsenzent, redaktor; LEWINSON, L.Ye., [deceased] retsenzent, redaktor;  
MALOV, N.N., retsenzent, redaktor; MARKUS, V.A. retsenzent, redaktor;  
METELITSYN, I.I., retsenzent, redaktor; MIKHAYLOV, S.M., retsenzent;  
redaktor; OLIVETSKIY, B.A., retsenzent, redaktor; PAVLOV, B.A.,  
retsenzent, redaktor; PANYUKOV, M.P., retsenzent, redaktor; PLAKSIN,  
I.N., retsenzent, redaktor; RAKOV, K.A. retsenzent, redaktor;  
BZHAVINSKIY, V.V., retsenzent, redaktor; RINBERG, A.M., retsenzent;  
redaktor; ROGOVIN, N. Ye., retsenzent, redaktor; RUDENKO, K.G.,  
retsenzent, redaktor; RUTOVSKIY, B.N., [deceased] retsenzent,  
redaktor; BYZHOV, P.A., retsenzent, redaktor; SANDOMIRSKIY, V.B.,  
retsenzent, redaktor; SKRAMTAYEV, B.G., retsenzent, redaktor;  
SOKOV, V.S., retsenzent, redaktor; SOKOLOV, N.S., retsenzent,  
redaktor; SPIVAKOVSKIY, A.O., retsenzent, redaktor; STRAMENTOV, A.Ye.,  
retsenzent, redaktor; STRELINTSKIY, N.S., retsenzent, redaktor;

(Continued on next card)

ANDREEV, A.V., (continued) .... Card 3.

THET'YAKOV, A.P., retsenzent, redaktor; FAYERMAN, Ye.M., retsenzent, redaktor; KHACHATYROV, T.S., retsenzent, redaktor; CHERNOV, H.V., retsenzent, redaktor; SHERGIN, A.P., retsenzent, redaktor; SHESTOPAL, V.M., retsenzent, redaktor; SHESHKO, Ye.F., retsenzent, redaktor; SHCHAPOV, N.M., retsenzent, redaktor; YAKUBSON, M.O., retsenzent, redaktor; STEPANOV, Yu.A., Professor, redaktor; DEM'YANYUK, F.S., professor, redaktor; ZNAMENSKIY, A.A., inzhener, redaktor; PLAKSIN, I.N., redaktor; RUTOVSKIY, B.N. [deceased] doktor khimicheskikh nauk, professor, redaktor; SHUKH GAL'TER, L. Ya, kandidat tekhnicheskikh nauk, dotsent, redaktor; BRESTINA, B.S., redaktor; ZNAMENSKIY, A.A., redaktor.

(Continued on next card)

ANDREYEV, A.V. (continued) .... Card 4.

[Concise polytechnical dictionary] Kratkii politekhnicheskii slovar'. Redaktsionnyi sovet; IU.A.Stepanov i dr. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1955. 1136 p. (MLRA 8:12)

1. Chlen-korrespondent AN SSSR (for Plaksin)  
(Technology--Dictionaries)

PHASE I BOOK EXPLOITATION SOV/3882

Matematika v SSSR za sorok let, 1917-1957, tom 2: Biobibliografiya  
(Mathematics in the USSR for Forty Years, Vol 2: Biobibliography) Moscow,  
Fizmatgiz, 1959, 819 p. Errata slip inserted. 6,000 copies printed.

Eds.: A. G. Kurosh (Chief Ed.), V. I. Bityutskov, V. G. Boltyanskiy, Ye. B.  
Dynkin, G. Ye. Shilova, and A. P. Yushkevich; Tech. Ed.: S. N. Akhlamov.

PURPOSE: This book is intended for mathematicians and science historians.

COVERAGE: This is the second of a two-volume work. It contains contributions  
of Soviet mathematicians for the period 1917-1957 and was compiled by  
Yu. A. Gor'kov. Ke. Ye. Chernin wrote the part pertaining to the approxi-  
mation method and "machine" mathematics. This includes bibliographic  
material from "Mathematics in the USSR for 15 Years" and "Mathematics in  
the USSR for 30 Years". A significant part of the bibliographic material  
has been checked against lists of works sent to the editor by various  
scientists. The authors are presented in alphabetical order, while the  
works of each author are arranged chronologically. At the end of the book  
is a list of the basic mathematical journals of the world. Some 22,000  
titles of works of more than 3,600 authors are given (in "Mathematics in  
the USSR for 30 Years", there are about 7,000 works and 1,300 authors).

Card 1/2

Mathematics in the USSR (Cont.)

SOV/3882

The book emphasizes those works which are important either for the mathematical methods presented in them or for their statement of mathematical problems. As a rule, no publications on mathematical methodology and pedagogic literature are included; the latter is represented only by existing university textbooks. In addition to the bibliographic material, the book contains a large amount of biographic data on Soviet mathematicians. This biographic material was assembled by R. S. Bityutskova, mainly on the basis of information sent to the editor. The book also gives information on reviews of the works of Soviet scientists in journals and articles from "Mathematics in the USSR for 30 Years", "Mathematics in the USSR for 15 Years", and from the first volume of the present work, "Mathematics in the USSR for 40 Years", referred to in the book by the following symbols respectively: M-XV, M-XXX, and M-XL.

TABLE OF CONTENTS: None given.

AVAILABLE: Library of Congress

Card 2/2

GC/Rem/fal  
7-18-60

KUROSH, A.G., ~~glavnyy red.~~; BOLTYANSKOV, V.I., red.; BOLTYANSKIY, V.G.,  
red.; DYNKIN, Ye.B., red.; SHILOV, G.Ye., red.; YUSHKEVICH,  
A.P., red.; LAPKO, A.F., red.; AKHIEZER, S.M., tekhn.red.

[Mathematics in the U.S.S.R. during the forty years from 1917  
to 1957] Matematika v SSSR za sorok let, 1917-1957. V dvukh  
tomakh. Moskva, Gos.izd-vo fiziko-matem.lit-ry. Vol.1. [Survey  
articles] Obsornye stat'i. 1959. 1002 p. (MIRA 12:5)  
(Mathematics)

ARAMANOVICH, I.G.; GUTER, R.S.; LYUSTERNIK, L.A.; RAUKHVARGER, I.L.;  
SKANAVI, M.I.; YANPOL'SKIY, A.R. Prinimali uchastiye:  
TRENOGIN, V.A.; BITYUTSKOV, V.I.; LAPKO, A.F., red.;  
KOLESNIKOVA, A.P., tekhn. red.

[Mathematical analysis; differentiation and integration] Ma-  
tematicheskii analiz; differentsirovanie i integriruvanje. [By]  
I.G.Aramanovich i dr. Moskva, Gos. izd-vo fiziko-matem. lit-ry,  
1961. 350 p. (MIRA 15:2)

(Mathematical analysis)  
(Calculus, Differential) (Calculus, Integral)

LYUSTERNIK, Lazar' Aronovich; SOBOLEV, Vladimir Ivanovich; KUPTSOV,  
N.P., red.; BITYUTSKOV, V.I., red.

[Elements of functional analysis] Elementy funktsional'-  
nogo analiza. Izd.2., perer. Moskva, Nauka, 1965. 519 p.  
(MIRA 19:1)

ZEL'DEVICH, Yakov Borisovich; MYSHKIS, Anatoliy Dmitriyevich;  
KEPPEN, I.V., red.; BITYUTSKOV, V.I., red.

[Elements of applied mathematics] Elementy prikladnoi  
matematiki. Moskva, Nauka, 1965. 615 p.  
(MIRA 19:1)

BITZAN, Antonin, inz.

The first bridge in Czechoslovakia built by concreting without scaffolding. Inz stavby 6 no.3:114-119 Mr '58.

1. Stavby silnic a zeleznic, n.p., Praha.

MALINOWSKI, E.; BANKOWSKA, H.; BIURKOWSKA, M.

Heterosis in maize (*Zea mays*). I. Correlation phenomena between vigorous growth and time of flowering in  $F_2$ . II. Fixing vigorous growth. Bul Ac Pol biol 8 no.1:23-33 '60. (EEAI 10:1)

1. Institute of Genetics (Skiermiewice), Polish Academy of Sciences.  
Presented by E.Malinowski.  
(CORN (MAIZE)) (HETEROSESIS) (GROWTH (PLANTS))

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5

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CIA-RDP86-00513R000205420003-5"

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5"

BIUS, E.

[Seismic conditions of Transcaucasia] Seismicheskie uslovija Zakavkaz'ia. Tbilisi. 1952 Pt. 2 [Seismic principles of the seismogeography of Transcaucasia] Seismicheskie osnovy sei-smogeografii Zakavkaz'ia. (MLRA 8:12)

(Transcaucasia--Earthquakes)

BIUS, Evgenij Ivanovich, 1885-

The Tabatskuri earthquake on the night of 7-8 May 1945. 84 p. map. (Akademija nauk Gruzinskoi SSR, Tiflis. Geofizicheskii institut. TSentral' naia seismicheskaiia stantsiya. Bulletin, v. 12, no. 3. Suppl.)  
At head of title: E. Bius i A. Tskhakaia.

Tabatskurskoe zemletriiasenie... 1945.(Card 2)

TORZHESKU, V. [Torjescu, V.]; BYUTESKU, E. [Biutescu, E.]; ZAKHARIYA,  
A.K. [Zaharia, A.C.]; TYUFESKU, R. [Tiu'fescu, R.]; KALOTA, M.  
[Calota, M.]; KARAULEANU, E. [Carauleanu, E.]

Activity of the aldolase, pseudocholinesterase, and trans-  
aminases in the blood serum in epidemic hepatitis. Vop.med.  
khim. 8 no.1:27-30 Ja-F '62. (MIRA 15:11)

1. Infektsionnaya bol'nitsa g. Kraynova, Rumyanskaya Narodnaya  
Respublika.  
(HEPATITIS, INFECTIOUS)(ALDOLASE) (CHOLINESTERASE) (TRANSAMINASE)

BIVIKOV, Damian Nikolayevich

(All-Union Sci Res Inst of Hydraulic Engineering imeni Vedeneyev) - Academic degree of Doctor of Technical Sciences, based on his defense, 29 November 1954, in the Council of Leningrad Polytechnic Inst imeni Kalinin, of his dissertation entitled: "The Thermal and Glacial Regime of Nonfreezing Water Currents."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 1, 7 Jan 56, Byulleten' MVO SSSR, Uncl.  
JPRS/NY-548

BIVCI, A.

Vibrating cement concrete.

p. 104 (Revista Transporturilor. Vol. 3, no. 3, Mar. 1956. Bucuresti, Romania)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

ACC NR: AP6009899

SOURCE CODE: UR/0413/66/000/004/0091/0091

INVENTOR: Babkin, M. I.; Bivin, Yu. K.; Voytsekhovskiy, A. I.; Alekseyev, L. I.;  
Sukhoruchenko, V. A.

55  
B

ORG: none

TITLE: Device for generating pressure pulses in a liquid.<sup>1</sup> Class 42, No. 179050

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 91

TOPIC TAGS: hydraulics, hydraulic control, hydraulic control system, pulse generator

ABSTRACT: The proposed device contains a working chamber connected to a hydraulic cylinder with a piston which senses the kinetic energy of the feed load by means of a gage. To generate various-shaped pressure pulses and to regulate the moment of initiation and the rate of pressure drop in the working chamber, the piston is made in the form of a glass which is covered on the bottom by a diaphragm which ruptures at a given pressure. The glass has a longitudinal slit and radial openings which connect the internal piston cavity at a certain position in respect to a cylinder with an

Card 1/2

UDC: 621.227.3:620.1.05

2

ACC NR: AP6009899

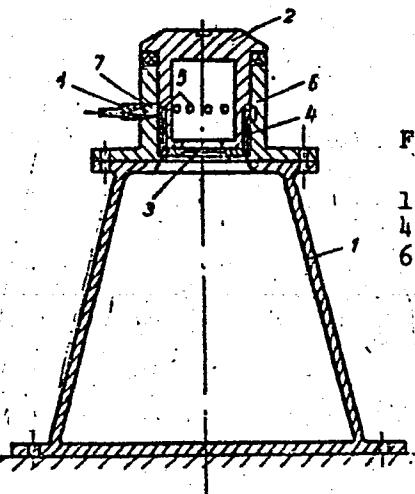


Fig. 1. Liquid pulse generator

1 - Working chamber; 2 - piston; 3 - diaphragm;  
4 - longitudinal slot; 5 - radial openings;  
6 - cylinder; 7 - annular groove; 8 - throttle.

annular groove on the internal surface of the latter. The groove is connected through a throttle to the overflow duct (see Fig. 1). Orig. art. has: 1 figure. [TN]

SUB CODE: 21/ SUBM DATE: 26Jan65/ ATD PRESS: 4322

Card 2/2 dde

SIVOL, A.

The influence of Soviet science and technique on road and bridge construction in Rumania;

P. 494 (REVISTA TRANSPORTURILOR) (Bucuresti, Rumania) Vol. 4, no. 11, Nov. 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

BIVOL, A.

Utilization of local materials for road construction in the USSR. P. 475.

REVISTA TRANSPORTURILOR. (Asociatia Stiintifica a Inginerilor si Technicienilor din Romania si Ministerul Transporturilor Rutier, Navale si Aeriene) Bucuresti, Rumania. Vol. 6, no. 11, Nov. 1959.

Monthly list of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 1960

Uncl.

BIVOL, A., ing.

Framing asphalt coverings with concrete borders. Rev transport  
8 no. 3:103-105 Mr '61.

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5

BIVOLAROV, Il'ya V., podpolkovnik

Cultural recreation for troops (experience of the Bulgarian Army).  
Voen.vest. 42 no.5:77-79 My '62. (MIRA 15:11)  
(Bulgaria—Soldiers—Recreation)

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5"

R/009/60/000/010/004/009  
A125/A126

AUTHORS: Bivolaru, Ion, and Dodon, Eugen

TITLE: On the determination of the static rigidity of drilling machines

PERIODICAL: Metalurgia și Construcția de Mașini, no. 10, 1960, 878 - 882

TEXT: The authors prove in this paper that at drilling machines the machining accuracy and the productivity of the machine depend on its rigidity. On the basis of the general relation of rigidity  $R$ ,

$$R = \frac{P}{\Delta} \text{ kg/mm}, \quad (1),$$

coefficient of accuracy  $\varepsilon$ ,

$$\varepsilon = \frac{D}{\Delta}, \quad (2),$$

feeding pressure  $P$ ,

$$P = C_p D^Z P_s^Y p, \text{ kg}, \quad (4),$$

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R/009/60/000/010/004/009  
A125/A126 ✓

On the determination of the static rigidity...

drilling time  $T$ ,

$$T = \frac{L}{ns} \text{ min}, \quad (6),$$

drilling speed  $v$ ,

$$v = \frac{C_v}{t \cdot x_v \cdot s^{y_v}} \text{ in } \frac{\text{m}}{\text{min}}, \quad (9),$$

and unitary time  $T_{\text{unit}}$ ,  $\frac{(z_p-1)(1-y_v)}{t} \frac{1-y_v}{s^{y_p}}$

$$T_{\text{unit}} = \frac{K \cdot D \cdot \frac{y_p}{1-y_v} \cdot \epsilon^{\frac{y_p}{y_p}}}{R} \text{ min}, \quad (11),$$

they deduce the equation of the productivity:

$$Q = \frac{\frac{1-y_v}{y_p}}{\frac{(z_p-1)(1-y_v)}{y_p} \cdot \frac{1-y_v}{y_p} \cdot \epsilon^{\frac{y_p}{y_p}}}, \quad (12),$$

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R/009/60/000/010/004/009  
A125/A126

On the determination of the static rigidity...

where  $y_p$ ,  $y_p$ , and  $z_p$  are the exponents,  $D$  - the diameter of the drill and  $K$  - a constant. This relation expresses the connection between the productivity  $Q$ , rigidity  $R$ , diameter of the drill  $D$  and coefficient of accuracy, and shows the importance of the rigidity with regard to accuracy and productivity. The authors use then the method of statical determination of the rigidity. It consists of the loading of the drilling machine with a known force by a dynamometer and of the measuring of the distortions in different parts of the machine by comparators. The measurements have been accomplished with a type Ø 25, "Inträirea", Oradea radial drilling machine and a Sokolovskiy dynamometer. The maximum load was 500 kgf. The distortion of the machine along the maximum displacement  $\Delta$  can be computed on the basis of the obtained results. After having determined the angle between the main shaft and the vertical  $\beta_c$ ,

$$\beta_c = \frac{M_1}{EI} \text{rad}, \quad (13)$$

and the angle between the perpendicular line of the table and the vertical line, as well as the maximum displacement  $\beta_m$ .

Card 3/4

On the determination of the static rigidity...

R/009/60/000/010/004/009  
A125/A126

$$\beta_m = \frac{3}{2} \frac{Y_m}{L} \text{ rad},$$

(14)

the authors deduce the maximum displacement

$$\Delta = l_1 \cdot \sin \beta_c - \frac{l_1}{l} Y_c$$

(15).

The machining accuracy is influenced by the inclination due to the distortion of the column and due to the distortion of the table console. On the basis of equation  $\beta = \beta_c + \beta_m$ , (16) in which the angle  $\beta$  indicates the deviation of the performed hole axis against the theoretical hole axis, the authors deduce the relation of the final error of the hole  $\delta$ , in function of the depth  $h$  and diameter of the hole, productivity, rigidity of the machine and concrete technological factors,  $K$ :

$$\delta = \frac{K \cdot D^z P \cdot Q^{1-yv}}{R} + h \operatorname{tg} \beta,$$

(21).

This relation can be used for the determination of the machining conditions. There are 13 figures, 3 photos and 3 Soviet-bloc references.

Card 4/4

BIVUL', A.

Our results and outlooks. NTO 3 no. 1:23-24 Ja '61.

(MIRA 14:2)

1. Uchenyy sekretar' soveta Nauchno-tehnicheskogo obshchestva  
Novo Kramatorskogo zavoda imeni Stalina.  
(Kramatorsk—Machinery industry)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5

BIWAN, A.

Production of resistive layers. Przem inst telekom prace 12  
no.36:45-47 '62.

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5"

JASKOWSKI, Lech, prof. dr.; KORYCKI, St.; BIWEJNIS-KŁOSOWSKA, Danuta

Advanced studies on the preservation of semen under room temperature.  
Zeszyty problemowe post nauk roln no.31:143-148 '61.

1. Zaklad Fizjologii Rozrodu i Laktacji, Instytut Fizjologii i  
Zwienia, Polska Akademia Nauk, Bydgoszcz oraz Zaklad Inseminacji i  
Zwalczania Bezplodnosci, Instytut Weterynarii, Bydgoszcz. Kierownik:  
prof. dr. L. Jaskowski

BIYACHUEV, Sh. A.

SEREBRIYSKIY, YA. M., and SH. A. BIYACHUEV.

Issledovanie v trube gorizonttal'nogo ustanovivshegosia dvizheniya kryla na nebol'sikh rasstoianiiakh ot zemli. Moskva, 1939. 30 p., diagrs. (TSAGI. Trudy, no. 437)

Bibliography: p. 30.

Title tr.: Wind-tunnel investigation of the settled horizontal movement of a wing not far from the ground.

DNACA

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

BULGARIA / Chemical Technology. Chemical Products and H-6  
Their Application. Safety and Sanitation.

Abs Jour: Ref Zhur-Khimiya; No 1, 1959, 1766.

Author : Kuriyan Kh., Biyadzhieva, Zh.

Inst : Not given.

Title : The Spreading of Preamphodontosis Sickness and  
of Amphodontosis in the Glass Factory "V. Koly-  
arov — Sliven and Their Relationship to the  
Pathogenic Environment in Industry.

Orig Pub: Stomatologiya (Belg.), 1957, No 6, 323-334.

Abstract: Upon examining 161 workers of the factory, 31%  
of preamphodontosis sickness and 46% of ampho-  
dontosis were found to be present. Those sick-  
nesses (S) were found to comprise 66.7% among  
workers up to 25 years of age, 88% in the age  
group of 25-35 years, and 96.5% in those above

Car 1 1/2

BULGARIA / Chemical Technology. Chemical Products and H-6  
Their Application. Safety and Sanitation.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1766.

Abstract: 35 years. The spreading of S also increases proportionally to the years of employment, changing from preamphodontosis to amphodontosis and gingivitis. The main cause for S is the presence of harmful gases ( $\text{SO}_2$ ,  $\text{SO}_3$ ,  $\text{CO}_2$ ) in the air, which are formed in a moist acid environment and which penetrate the mouth cavity and respiratory tract. It is recommended: improved ventilation; substitution of mineral lubricating oils by vegetable oils; mouth rinses with drinking soda; prophylactit teeth treatment, etc. --  
T. Brzhewskaya.

Card 2/2

19

BIYALOV, R.F.

A Class of conformal groups of transformations in gravitational  
fields. Uch. zap. Kaz. un. 123 no.12:52-58 '63. (MIRA 17:11)

BIYANOV, Gavriil Fedorovich; KARP, Ye.M., red.; MEDVEDEV, L.Ya., tekhn. red.

[Lowering water levels in the construction of hydroelectric power stations] Vodoponizhenie pri stroitel'stve gidroelektrostantsii. Moskva, Gos. energ. izd-vo, 1958. 85 p. (MIRA 11:9)  
(Water, Underground)

BATENCHUK, Ye.N.; BIYANOV, G.F.

Construction of the Vilyuy Hydroelectric Power Station. Gidr.stroi.  
31 no.4:3-7 Ap '61. (MIRA 14:5)

1. Nachal'nik Vilyuygesstroya (for Batenchuk). 2. Glavnyy inzhener  
Vilyuygesstroya (for Biyanov).  
(Vilyuy Hydroelectric Power Station)

ALEKSEYEV, G.P.; ANDON'YEV, V.S.; ARNGOL'D, A.V.; BASKIN, S.M.;  
BASHMAKOV, N.A.; BEREZIN, V.D.; BERMAN, V.A.; BIYANOV, T.F.;  
GORBACHEV, V.N.; GRECHKO, I.A.; GRINBUKH, G.S.; GROMOV, M.F.;  
GUSEV, A.I.; DEMENT'YEV, N.S.; DMITRIYEV, V.P.; DUL'KIN, V.Ya.;  
ZVANSKIY, M.I.; ZENKEVICH, D.K.; IVANOV, B.V.; INYAKIN, A.Ya.;  
ISAYENKO, P.I.; KIPRIYANOV, I.A.; KITASHOV, I.S.; KOZHENVNIKOV,  
N.N.; KORMYAGIN, B.V.; KROKHIN, S.A.; KUDOYAROV, L.I.;  
KUDRYAVTSEV, G.N.; LARIN, S.G.; LEBEDEV, V.P.; LEVCHENKOV,  
P.N.; LEMZIKOV, A.K.; LIPGART, B.K.; LOPAREV, A.T.; MALYGIN,  
G.F.; MILOVIDOVA, S.A.; MIRONOV, P.I.; MIKHAYLOV, B.V., kand.  
tekhn. nauk; MUSTAFIN, Kh.Sh., kand. tekhn. nauk; NAZIMOV, A.D.;  
NEFEDOV, D.Ye.; NIKIFOROV, I.V.; NIKULIN, I.A.; OKOROCHKOV, V.P.;  
PAVLENKO, I.M.; PODROBNIK, G.M.; POLYAKOV, G.Ya.; PUTILIN, V.S.;  
RUDNIK, A.G.; RUMYANTSEV, Yu.S.; SAZONOV, N.N.; SAZONOV, N.F.;  
SAULIDI, I.P.; SDOBNIKOV, D.V.; SEMENOV, N.A.; SKRIPCHINSKIY, I.I.;  
SOKOLOV, N.F.; STEPANOV, P.P.; TARAKANOV, V.S.; TREGUBOV, A.I.;  
TRIGER, N.L.; TROITSKIY, A.D.; FOKIN, F.F.; TSAREV, B.F.; TSETSULIN,  
N.A.; CHUBOV, V.Ye., kand. tekhn. nauk; ENGEL', F.F.; YUROVSKIY,  
Ya.G.; YAKUBOVSKIY, B.Ya., prof.; YASTREBOV, M.P.; KAMZIN, I.V., prof.,  
glav. red.; MALYSHEV, N.A., zam. glav. red.; MEL'NIKOV, A.M., zam.  
glav. red.; RAZIN, N.V., zam. glav. red. i red. toma; VARPAKHOVICH,  
A.F., red.; PETROV, G.D., red.; SARKISOV, M.A., prof., red.;  
SARUKHANOV, G.L., red.; SEVAST'YANOV, V.I., red.; SMIRNOV, K.I.,  
red.; GOTMAN, T.P., red.; BUL'DYAYEV, N.A., tekhn. red.

(Continued on next card)

ALEKSEYEV, G.P.—(continued). Card 2.

[Volga Hydroelectric Power Station; a technical report on the design and construction of the Volga Hydroelectric Power Station (Lenin), 1950-1958] Volzhskaiia gidroelektrostantsiia; tekhnicheskii otchet o proektirovaniii i stroitel'stve Volzhskoi GES imeni V.I.Lenina, 1950-1958 gg. V dvukh tomakh. Moskva, Gosenergoizdat. Vol.2.[Organization and execution of construction and assembly work] Organizatsiia i proizvodstvo stroitel'no-montazhnykh rabot. Red. toma: N.V.Razin, A.V.Arngol'd, N.L. Triger. 1962. 591 p. (MIRA 16:2)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Razin).

(Volga Hydroelectric Power Station (Lenin)--Design and construction)

COUNTRY : USSR  
CATEGORY : Cultivated Plants. Commercial. Oleiferous.  
Sugar-Boaring. M  
ABS. JOUR : Ref Zhar - Biologiya, No.1 , 1959, No. 1750  
AUTHOR : Biyashev, G.  
INST. :  
TITLE : Prospects for the Development of Best Sowing in Kazakhstan.  
ORIG. PUB.: Nerdinoye kh-vo Kazakhstan, 1958,  
No.4, 52-57  
ABSTRACT : No abstract.

CARD: 11

BIYASHEV, G.Z., akademik; NECHIPORENKO, N.A.; FEDOROV, P.F., kand.sel'-skokhozyaystvennykh nauk; AMANTAYEV, Ye.A., kand.sel'skokhozyaystvennykh nauk

Most important problems in the agriculture of southern and southeastern Kazakhstan. Zemledelie 23 no.4:8-14 Ap '61. (MIRA 14:3)

1. Kazakhskaya akademiya sel'skokhozyaystvennykh nauk (for Biyashev).
2. Chlen-korrespondent Kazakhskey akademii sel'skokhozyaystvennykh nauk (for Nechiporenko).

(Kazakhstan--Agriculture)

BIYASHEVA, Z.G.; ORLOV, I.V.

Characteristics of disturbances in the motor, food, and sexual activity of birds following the cutting off of distant receptors.  
Vop. srav. fiziol. anal. no. 1:107-114 '60. (MIRA 14:4)

1. The Higher Nervous Activity Physiological Laboratory, University of Leningrad, and the Interceptive Conditioned reflexes Laboratory of the Pavlov Institute of Physiology, Academy of Science of the U.S.S.R.

(REFLEXES) (EYE—WOUNDS AND INJURIES)

BIYASHEVA, Z.G.

Changes in mono- and polysynaptic reflexes in the spinal cord in  
an inflammatory process at the periphery. Biul. eksp. biol. i med.  
57 no.3:45-49 Mr '64. (MIRA 17:11)

1. Laboratoriya eksperimental'noy patologii nervnoy sistemy (zav. -  
prof. S.I. Frankshteyn) Instituta normal'noy i patologicheskoy  
fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.V. Parin)  
AMN SSSR.

FRANKSHTEYN, S.I., prof.; BIYASHEVA, Z.G.; SMOLIN, L.N.

Significance of inhibitory synapses in the mechanism of compensation of functional disorders. Biul.eksp.biol. i med. 59 no.5:27-31 '65. (MIRA 18:11)

1. Laboratoriya eksperimental'ney patologii nervnoy sistemy (zav. - prof. S.I.Frankshteyn) Instituta normal'noy i patologicheskoy fiziologii (direktor - deystvitel'nyy chlen AMN SSSR prof. V.V.Parin) AMN SSSR, Moskva. Submitted May 16, 1964.

BIYATOV, Ye.I.

Capable organizer and thoughtful commander. But' i put. khoz.  
9 no.3:20 '65. (MIRA 18:6)

1. Sekretar' partiynoy organizatsii Orskoy distantsii Yuzhno-Ural'skoy dorogi.

BAYNOV, D., inzh. (Bulgariya); RIVAZOV, I., inzh. (Bulgariya);  
ZAPRYANOV, I., inzh. (Bulgariya)

Electromechanical differentiating element. Priborostroenie no.4:  
11-12 Ap '65. (MIRA 18:5)

AUTHOR: Biybosunov, I. (Frunze) SOV/40-22-3-3/21

TITLE: An Example for the Flow of a Gas Near the Sound Velocity With a Supersonic Region Which is Bounded Below the Flow by a Curved Compression Shock Terminating in the Interior of the Flow (Primer okolozvukovogo tcheniya gaza s oblast'yu sverkhzvukovykh skorostey, ogranicennoy vnit po tcheniyu iskrivlennym skachkom uplotneniya, okanchivayushchimysya vnutri tcheniya)

PERIODICAL: Prikladnaya matematika i mehanika, 1958, Vol 22, Nr 3,  
pp 311 - 319 (USSR)

ABSTRACT: Frankl' calculated a flow near to sound with a partial supersonic region, whereby the transition took place downstream by a direct compression shock which terminated in the interior of the flow. In the present paper a similar flow is considered in which, however, the compression shock possesses a curved form. As the starting point for the investigations the author applies the following basic equations simplified for the domain near the sound velocity:

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$$\frac{\partial \Psi}{\partial \theta} = - C \frac{\partial \Psi}{\partial \eta} ; \quad \frac{\partial \Psi}{\partial \eta} = C \gamma \frac{\partial \Psi}{\partial \theta} ; \quad C = \left( \frac{\kappa+1}{2} \right)^{\frac{1}{\kappa-1}} \left( \kappa+1 \right)^{1/3}$$

An Example for the Flow of a Gas Near the Sound Velocity With a Supersonic Region Which is Bounded Below the Flow by a Curved Compression Shock Terminating in the Interior of the Flow SOV/40-22-3-3/21

here  $\psi$  is the velocity potential,  $\Psi$  the stream function,  $\gamma$  the velocity function and  $\theta$  the angle of inclination for the velocity vector. The variation of the entropy before and behind the compression shock is neglected. This is possible in the near of the critical point, since the jump of entropy is proportional to the square of the velocity jump. In a  $\theta\gamma$ -plane a set up of the form

$$\frac{3}{2} \frac{\theta_1}{(-\gamma_1)^{3/2}} = k_1 ; \quad \frac{3}{2} \frac{\theta_2}{(+\gamma_2)^{3/2}} = k_2$$

is made for the compression shock, and corresponding set ups for the undercritical and overcritical domain are determined for the stream function. The main part of the paper consists in the rather irksome determination of the arbitrary constants occurring in the set ups.

By a special numerical example the application of the calculation method of the author is shown and the curve of the compression shock is calculated.

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An Example for the Flow of a Gas Near the Sound Velocity With a Supersonic Region Which is Bounded Below the Flow by a Curved Compression Shock Terminating in the Interior of the Flow

SOV/40-22-3-3/21

There are 2 figures, 2 tables, and 7 references, 6 of which are Soviet, and 1 is English.

Card 3/3

BIYECSUNCV, Il'yas, Cand Phys-Math Sci -- "near-sound flow of  
gas with ~~compression~~ jump terminating within the flow."  
Frunze, 1959, 11 pp, (Kirgiz State U), 150 copies (KL,27-59, 118)

-/-

*B. YOESUNCU, L.*

PHASE I BOOK EXPLOITATION SOV/4303

Frunze. Universitet. Nauchnoye studencheskoye obshchestvo

Sbornik nauchnykh rabot studentov, vyp. 2 (Collection of Scientific Works of Students, No. 2) Frunze, 1959. 99 p. 500 copies printed.

Sponsoring Agency: Kirgizskiy gosudarstvennyy universitet.  
Nauchnoye studencheskoye obshchestvo.

Resp. Ed.: L. A. Spektorov, Docent; Tech. Ed.: N. A. Yefimov.

PURPOSE: This book is intended for mathematicians, natural scientists, and philologists.

COVERAGE: The collection of articles contains studies in mathematics and mechanics, physics, biology, and philology written by members of the Nauchnoye studencheskoye obshchestvo (Students' Scientific Association) of Kirgizskiy gosudarstvennyy universitet (Kirgiz State University) under the guidance of faculty members. References accompany each article.

Card 1/6

Collection of Scientific Works (Cont.)

SOV/4303

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~~Card 2/6~~

10(6), 10(2)

AUTHOR: Biybosunov, I.

SOV/20-126-5-10/69

TITLE: An Example of a Plane-parallel Gas Flow Within the Range of Sonic Velocity Which Has a Curved Compression Shock and Is Limited to a Range Within the Flow Having Stream Functions of the Form  $\Psi_{2/3} = \varrho^{2/3} f_{2/3}(\theta/\varrho)$ (Primer plosko-parallel'nogo okolozvukovogo techeniya gaza s iskrivlennym skachkom uplotneniya, okanchivayushchim se vnutri techeniya s funktsiyey toka vida  $\Psi_{2/3} = \varrho^{2/3} f_{2/3}(\theta/\varrho)$ )PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 5, pp 951-954  
(USSR)ABSTRACT: The author considers a gas flow which has a compression shock in the transition from supersonic to transsonic speed and obeys the stream function  $\Psi_{2/3} = \varrho^{2/3} f_{2/3}(\frac{\theta}{\varrho})$ ,  $\varrho = \sqrt{\theta^2 + \frac{4}{9} n^2}$ .  
θ denotes the angle of inclination of the velocity,  
n a function of the velocity modulus according to F. I. Frankl (Ref 1). This example generalizes a problem presented by

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An Example of a Plane-parallel Gas Flow Within the SOV/20-126-5-10/69 Range of Sonic Velocity Which Has a Curved Compression Shock and Is Limited to a Range Within the Flow Having Stream Functions of the Form

$$\Psi_{2/3} = \varrho^{2/3} f_{2/3}(\theta/\varrho)$$

Frankl'. The investigation of this mathematical problem is based on a system of equations set up by S. V. Fal'kovich (2). The stream function divides the coordinate system into five ranges each of which is first considered separately. Approximate solutions of the problem are computed numerically for the individual limiting cases. The author thanks Professor Frankl' for valuable advice. There are 1 figure and 3 Soviet references.

ASSOCIATION: Kabardino-Balkarskiy gosudarstvennyy universitet  
(Kabardino-Balkarian State University)

PRESENTED: February 10, 1959, by L. I. Sedov, Academician

SUBMITTED: February 9, 1959

Card 2/2

BIYBOSUNOV, I. (Frunze)

Substantiation of an example of transonic flow. Inzh. zhur. 3  
no. 3:535-539 '63. (MIRA 16:10)

(Aerodynamics, Transonic)

BYELIK, Ya.V.

Coordinating conference on biochemistry of the nervous system.  
Ukr.biokhim.zhur. 28 no.2:248-249 '56. (MIRA 9:9)  
(NERVOUS SYSTEM) (PHYSIOLOGICAL CHEMISTRY)

FILIP'YEV, I.D., kand.sel'skokhozyaystvennykh nauk; BIYENKO, A.I.

Applying fertilizers to wheat in the fall. Zemledelie  
24 no.10:49-51 0 '62. (MIRA 15:11)

1. Izmail'skaya opytnaya stantsiya Vsesoyuznogo  
nauchno-issledovatel'skogo instituta kukuruzy.  
(Izmail District--Fertilizers and manures)

"APPROVED FOR RELEASE: 06/08/2000

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APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5"

BRON, V.A.; BIYESPEROVA, M.I.; KROTOVA, G.S.

Effect of additives, dispersion, and the firing temperature  
on the sintering of caustic dust. Ogneupory 29 no. 5:221-226  
'64. (MIRA 17:7)

1. Vostochnyy institut ogneuporov.

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5

BIYEV, I.I.; MORGOLIN, P.A., retsenzent; MAKOVSKIY, G.M., inzh.,  
red.

[Mechanization of part painting] Nekhanizatsiia pri ok-  
raske detalei. Moskva, Mashinostroenie, 1964. 77 p.  
(MIRA 17:9)

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5"

BLIEV,I,1,

Semiautomatic line for painting and drying tractors. Biul.tekh.  
ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 1W~~Mira~~0:51-55  
0 '64. (MIRA 1824)

BIEV, I.I.

Introducing mechanized washing. Biul. tekhn.-ekon. inform. Gos.  
nauch.-issl. inst. nauch. i tekhn. inform. 18 no.10:51-52  
0 '65. (MIRA 18:12)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420003-5

YELISEYEV, Yu.A.; VOROSHILIN, Ye.A.; BIYEVETS, N.L.; KRYLOV, A.G.

Construction of glass container storehouses from hipped mesh-reinforced  
concrete elements. Prom. stroi. 42 no.8:23-25 '65. (MIRA 18:9)

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CIA-RDP86-00513R000205420003-5"

ACC NR: AP6014954

SOURCE CODE: UR/0227/65/000/008/0023/0025

AUTHOR: Yeliseyev, Yu. A.; Voroshilin, Ye. A.; Biyevets, N. L.; Krylov, A. G. *24*  
ORG: none *B*

TITLE: Construction of a container glassware storage warehouse of reinforced concrete

SOURCE: Promyshlennoye stroitel'stvo, no. 8, 1965, 23-25

TOPIC TAGS: reinforced concrete, construction, lacquer, corrosion protection

ABSTRACT: A description is given of the construction of a 24 X 48 meter warehouse with supporting frame made of prefab arches each consisting of six straight sections of reinforced concrete, bolted together. The prefab sections were compacted, heat-hardened for 4 hours at 70°C, reinforced with steel mesh and given an anti-corrosion coating of bituminous lacquer. They were then stored in special holding racks, in which they were also transported to the construction. Photographs show the forming, transporting and assembly of the individual straight sections into arches, as well as the completed warehouse. A table shows the expenditure of materials manpower and money per square meter of horizontal projection involved in the construction. Orig. art. has: 5 figures and 1 table. [JPRS]

SUB CODE: 13 / SUBM DATE: none

Card 1/1 BK

UDC: 624.023.8:725.35

1998-1999 PROGRAMME, OFFICIAL IMAGE DOWNLOAD

**ABSTRACT:** When a light-colored sample of pyroceramic is kept in a closed, 10-cm<sup>3</sup>

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CIA-RDP86-00513R000205420003-5"

BIEZ, M.

Comparison of mercury and diaphragm cells for the production of chlorine, M. Bieck.  
Przemysl Chem. 6, 170-3 (1950).

A comparison of the various factors entering into the operation of the Hg and  
the diaphragm cell are reviewed and a combination of the 2 methods is suggested as  
the most economical method of producing Cl<sub>2</sub>. F.G.

immediate source clipping

BIYEZIN', A.P., professor; KRUMIN', K.A., ispolnyayushchiy obyazannosti  
staryshego nauchnogo sotrudnika

Repairing defects of the tibia following hematogenous osteomyelitis.  
Ortop.travm. i protez. 17 no.6:87 N-D '56. (MLRÄ 10:2)

1. Iz kliniki detskoj ortopedii (zaveduyushchiy - professor A.P.  
Biyezin') Rishskogo nauchno-issledovatel'skogo instituta ortopedii  
i vosstanovitel'noy khirurgii (direktor - professor O.M.Rudenko)  
(TIBIA--SURGERY) (OSTEOMYELITIS)